

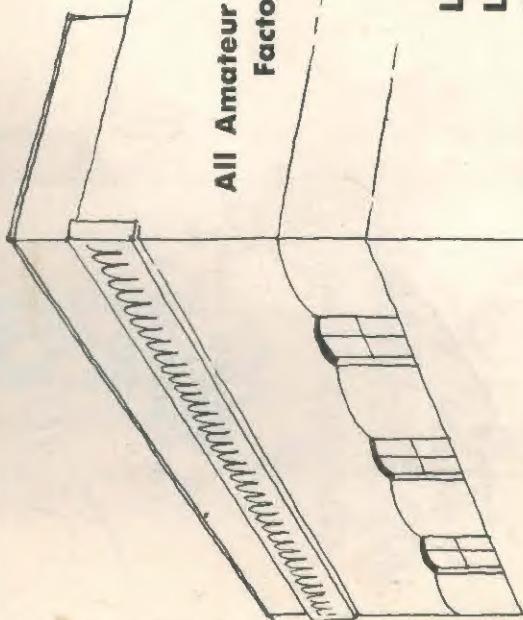
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# Ham Radio

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SEPTEMBER 1960

PUBLISHED BY  
INDIANAPOLIS RADIO CLUB, INC.  
FOUNDED 1916



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Robert Caskey W9DNQ  
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The Indianapolis Radio Club meets on the 2nd and 4th Friday of each month at the Indianapolis Park Board Building located at 29th and Harding Streets. Meetings start promptly at 8:00 P.M. Indianapolis time.

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Publication is on the 3rd Friday of each month, with all news items and ads due no later than the 1st Friday of each month. Ham-Ads (5 line limit) are free to members and subscribers. Others may use this facility at the rate of 50 cents per ad.

AMA-Chewer welcomes the forwarding of information on coming events of other clubs in the area for publication in the program section.

\*\*\*\*\*

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September 9      Business Meeting and Pre-Convention Bull Session for visitors.

10th & 11th      Central Division ARRL Convention, Claypool Hotel, Indianapolis, Ind.

23      On our first program night, we have Mr. Robert Atherton, Semi-conductor Design Engineer at Naval Avionics Facility to give us some more information on transistors. Bob will cover circuits and their practical application.

October 14th      Business Meeting, with a inside story of just how a TV camera operates. By Mr. Robert Brockway, Chief Engineer at WFBM.

28th      Slow-Scan TV will be the feature of the evening with talks by Gene Roeschlein, Bob Begeman, and Don Miller. Come on down and see slow-scan TV in action. We recommend you read Page 36 of the April issue of QST also.

November 11th      Regular Business Meeting

25th      Program to be announced, and we have a good one on tap.

\* \* \* \* \*

THANKS BOB

Last month ye old editor was cooling his heels in the far north land as the AMA-CHEWER was being put together. However we had no worries about the paper getting out for the job was left in the capable hands of Bob Osterhous, W9PSE, who did a bang up job. If fact it has been recommended by several sources that he would do great on a full time job. (Send my pension in small change. Ed.)

It has also come to light that there were several others involved, but thats their job anyway and they aren't going to get any roses. Thanks a lot Bob.

\* \* \* \* \*

SEE YOU AT THE CONVENTION  
SEPTEMBER 10TH  
CLAYPOOL HOTEL

On our cover this month is Fred Billman, K9KKF, who had a interest in ham radio for many years before he took the plunge a few years back and applied for his ticket. He has become very well known on six meters and in spite of the fact that he has to compete with a large building, which tops his antenna by several feet, he has succeeded in putting out a very respectable signal with his G-50 and 5 element Hy-Gain beam.

On Monday nights Fred can be found down on 49.980 with the Air Force Mars Net, where he takes part as an active member of Unit 26-C.

Looking around the shack we spotted in addition to the G-50, a Gooney Box III, a HRO-50 and a BC-342, In addition to the usual collection of (Quote) junk, (unquote), which is a must in every well organized shack.

If the spirit moves Fred he can also unlimber the teletype unit and carry on easy to copy QSO's via the green keys. During WW-I, Fred served with the U.S. Marines and still holds a commission as a Lt. Colnel with the Reserves. On August 1, of this year, Fred retired from the Indiana Bell Telephone Co. with 35 years of service. He was honored with a retirement party by his fellow workers, at which time they presented him with a Heath Mohican kit.

Fred is now concentrating on spending more time on his farm near North Vernon, with a few moments set aside to keep up on his ham radio activities, which takes place from both the farm and here in Irvington.

It's only correct that we also tell you that Fred does not always have control of the rig at either QTH, as his XYL, Rosalie, K9KKG, is an active ham in her own right.

\* \* \* \* \*

SEE YOU AT THE ARRL CONVENTION ON SEPT. 10th & 11th TALK IT UP ON THE AIR, THE MORE THE MERRIER. IF YOU CAN'T FIND THE MAN WITH THE ADVANCE TICKETS CALL US, AND WE WILL TIP YOU OFF TO ALL HIS HIDING PLACES, BECAUSE NOBODY SHOULD BE WITHOUT AN ADVANCE SALE TICKET.

\* \* \* \* \*

## WHO DONE IT????

Somebody really goofed on the night of August 6th, as a 6M rig was on the air for almost two hours without any identification or modulation, other than the voices of Mama, the kids and the TV set, as they went about their normal routine.

The local A.R.R.L. Observer, K9OXA-Max Galloway, with the aid of W9JTF, K9WST, K9WSV and K9KGL, took beam headings which placed the originating station on the south-east side of town. Just as Max was ready to hop into his mobile and go find the rig, the signal was snapped off and was heard no more.

To Whom It May Concern: Please don't do this on 50.4 as we all like to use this frequency, and what's more we wouldn't want Uncle Sam to pull your ticket for illegal operation.

\* \* \* \* \*

## GOONEY BOX SKED

There are a lot of open dates for the use of the Club's Gooney Box, so if you haven't had a crack at 6M, or if you wish to have its use on a special occasion, contact the Chief Op. and get your call on the list.

\* \* \* \* \*

## WE WONDER WHY ??????

With all the building plans going ahead for the new ARRL building at a location different from the present site, we wonder why they didn't locate in the mid-west. Seems like it would make it better all the way around for Directors, Staff members, and just plain members to get to headquarters.

Wonder how many guys from the mid-west or far west have ever been to West Hartford or Newington. Could it be that there is politics in amateur radio too? ? ?

\* \* \* \* \*

## TEMPORARILY QRT

W9AEA, Merrill Lindly had a heart attack several weeks ago and is in Methodist Hospital here in Indianapolis. We understand that Merrill is not having visitors at the moment but a QSL via the hospital would be a big spirit lifter.

\* \* \* \* \*

It is with regret that we note the passing of Samuel S. Sugioka, father of Jim Sugioka-W9CKB. Mr. Sugioka who spent many years as a Colorado resident, passed on in Los Angeles on June 27th.

## PRESIDENTS FREQUENCY

You might have noticed the President was off frequency last issue and didn't come in. Anyway we are back now after a real vacation on the "Angus" and aside from falling asleep Monday afternoon on the first day back to work, everything is about back to normal.

We've had some discussion on club projects and three seem to be ripe. 1. The Marion County Directory is due for reissue. 2. A code class on the air for Techs. who want to get their General Ticket. and 3. The gathering of a group to go for 20WPM and the Extra Advance Ticket.

The planning for the Marion County Directory is well under way and we expect to roll after the Convention in September. The project to conduct a code class on 6M appears to be popular and will probably become a reality as soon as a few details are cleared up. We'll need two old reliables to make certain of keeping the sked's, which we will run as MCW so that we can read back the text. Who knows we may have some of the boys show up for the exams. in November. Talk this over on 6M and we will see how it shapes up.

The 3rd item is really not a club project, but one that a lot of us should take a crack at. Of course it can be done alone, but maybe it would be a lot more fun to get a group together. Incidentally how many Extra Advance holders to we have in the outfit now? ? ? If I can read between the lines correctly its going to be worth something before long and anyway at its present value it indicates that you have tried a little harder than most.

\* \* \* \* \*

## UNLICENSED 2-WAY RADIO

We are disturbed to find in the August issue of Popular Electronics an article encouraging the use of a phono-oscillator to double as a tiny broadcast station. Without the least bit of imagination you can see two kids deciding "this is it", and away they go. True there is a sentence that says the antenna must be less than 10' long---but on the same page is a suggestion to use a "good" antenna for receiving. Soooooo-lets try the receiving antenna on the transmitter and right in the middle of the broadcast band.

Wonder who will get the blame for coming in on the neighbors radio's---yeah!!!!

\* \* \* \* \*

5

Did you know that there are 295 A.R.R.L. members in the Indianapolis area? This isn't very many when you stop to think of all the stations there are in operation. We wonder if the non-members are just forgetting to send in their application, or perhaps they are willing to let the rest of the gang carry the load for them.

The last statement will no doubt bring out the questions as to "what has the A.R.R.L. ever done for me", and "why not every man for himself."

If you find that you are asking those questions, take a good long look at where the hobby is today, where it was ten years ago, and where it will be ten years from now, and you will no doubt find the answers to your own questions.

Always keep in mind that you operate on frequencies that industry would love to have and on frequencies that will be hard to keep out of their hands in the future. Just like in the history books "United we stand--Divided we fall."

\* \* \* \* \*

#### A NEW MAG ON THE WAY

We understand that Wayne Green, former editor of CQ is planning to publish a new Amateur magazine under the title of "73".

The first issue is supposed to hit the presses in September, however, we cannot at this time tell you how or where to subscribe, as we ain't got that info. as yet.

\* \* \* \* \*

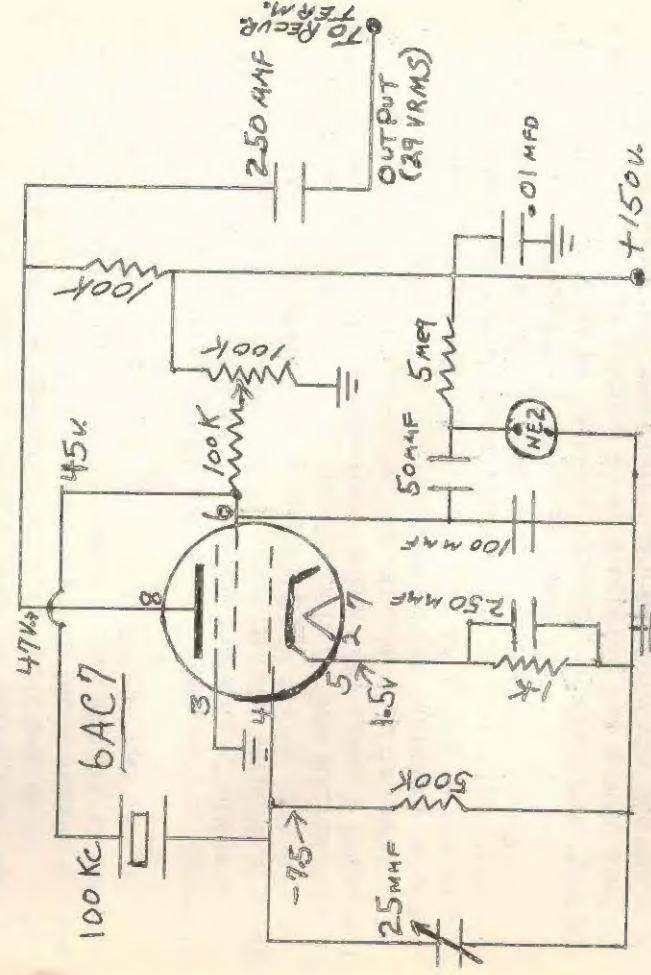
#### BLIND STUDENTS RECEIVE TICKETS

Four of the students from the Indiana School for the Blind have received their Novice Tickets. We only know the calls of two however. Kay Houchin, Kn9ZGA and Steve Spiker, Kn9ZFP. The other two are Harriet Heiney and Ray Warren. Bob Caskey, W9DNQ, reports that he is making good progress toward putting together a station for the students at the Blind School.

\* \* \* \* \*

Here is a little item that will keep you in good graces with Uncle Sam and prevents the receipt of those pink jobs.

#### 100 KC XTAL OSCILLATOR & 5 KC MULTIVIBRATOR



With the screen pot set, set screen voltage to plus 45 v., or set arm of pot so that resistance is 15K from B plus. When the NE-2 is uncontrolled, it will have a rough note, and when it is controlled by the crystal the note will be almost pure DC. Parts values should be followed very closely, as considerable experimentation has gone into the final determination of the values listed.

The 5 meg. resistor should be left out of the circuit until the 100 Kc. check points are established, then with the 5 meg resistor in the circuit the screen pot, is varied until there are exactly 21 signals between two 100 Kc. points.

Voltages given above were measured with a vacuum tube voltmeter and the xtal. used was a surplus unit out of an APN-4 Loran Indicator (large three pin VC-5 type). However any 100 Kc. crystal applicable for use in crystal calibration work will suffice in this circuit.

The "Information Wanted" postcards will be mailed soon so we are again reminding you that they are not for File 13. If they aren't large enough to list all the info. you may have, we will gladly labor to open any and all envelope mail.

K9KSB is in need of a good detective to solve the crime. While working in his office, he was hastily called and informed that his antenna was on fire. Dashing out to his car he found the load coil on his mobile whip a mass of melted nothing. A truck driver had noticed it and used a portable extinguisher to douse the flames. Anybody solve that one?

Just got word that Dick, K9VDI, who failed in his attempt to fly without wings, made it OK on the second attempt with an assist from Eastern Airlines and is now in St. Pete., Fla. Ahoy all you VHF'ers, we had a call suggesting that we run the following in Ama-Chewer, which is not to be taken as a subject to which the Staff is for or against. "Since the portion of the 50 Mc. band from 50.00 to 50.10 has been reserved for CW, why don't the local gang agree to keep the portion from 50.10 to 50.20 open for DX, which would mean that local contacts (50 mile radius) be made from 50.20 and up." What say to that idea? We will be glad to print any written rebuttle.

K9AMG of Skokie, Ill. was passing through Indianapolis on August 8th on a business trip. He asked direction via his six meter mobile rig, and back came an offer of a free bed, a pot full of black coffee and a chat about hamming from Bud Donahue, K9PSM who is located at the Brightwood Fire Station. Just another example of "ham hospitality."

K9YKX, Emmert is a new station on the VHF bands from over in Veedersburg. He throws a dandy signal into this area and was heard working K9SSI in Greenfield via ground wave. Did you get in on the opening to Cuba on August 8th? CO2GX was loud and clear for over two hours and was heard to say that he was running 500 watts to a four element beam atop a apartment house. Several other CO stations were heard and worked in the area on the same evening. Apparently old Castro (the third Smith brother) doesn't mind his people talking to us Capitalists?

\* \* \* \* \*

SEE YOU AT THE CENTRAL DIVISION ARRL CONVENTION

CLAYPOOL HOTEL

There is a new call on the novice bands these days, in the person of K9ZQZ and the proud owner is Leah Husk, who is boss and master of the house where our "Keeper of the Till", K9EUQ lives.

Understand that while Angus and the crew were sailing about Lake Michigan on their two week cruise they encountered about forty feet of plastic netting that proceeded to wind itself around the prop, causing a unexpected return to port. W9EKD, Cliff, uncle of K9VDI, who as you know was laid up in the hospital kept scheduled phone patches down to St. Pete., Fla., so that Dick could keep his Mom posted on his recovery. Contact was SSB of course, and the rig at the other end of the line is manned by Hal Palin, K4SQK and ex Indianapolis ham.

K9GEL, Dick who as you know keeps the gang up on the ARRL bulletins, has offered to furnish the Ama-Chewer staff copies of all bulletins so that we can get the important ones in print. (A tip of the lid to you Sir. Ed.) We stand corrected, the correct call of Bob Ricketts is W9AMZ and not AMB as reported in the July issue. (Oooops) W9ZEB, Bill, has moved to the far south-side, and after all the household tasks are squared away, expects to get back on the air, providing he can find 48 hours in the day. How come we didn't hear from some of you guys in regard to the article that stated that it is legal for a Novice to run a full gallon? ? ? (August Page 13)

Did you hear that Al Larsen, W9SRT, worked Pat, K9EUQ from Florida via 6M, while Al was touring the sunny south? Also did you catch the Garry Moore show via the mahogoney knot-hole and see the Army Signal Corps Seargent send and receive CW at one and the same time? He wrote with his left hand and operated the key with his right. It was estimated that both sending and receiving speeds were about 10 WPM. This is real power of concentration.

During August old Ma Bell sent out a repairman to cover a phone out of order, after receiving a call from the subscriber. After almost an hour of testing inside and out, the repairman found a pair of wires that took off into parts of the house unknown. Tracing them down he found a phone patch that had gone short. The wire cutters took care of that installation. Again let us remind you to disconnect with a switch or otherwise all phone patches when they are not in use. The law gives "Ma Bell" strong rights of disconnect in such cases as mentioned above.

There is a new call on the novice bands these days, in the person of K9ZQZ and the proud owner is Leah Husk, who is boss and master of the house where our "Keeper of the Till", K9EUQ lives.

Stanford, California  
via UPI & local papers

Earth people, especially radio hams should be listening for messages from intelligent beings on other planets, a Stanford University scientist said today. Ronald N. Bracewell associate professor of electrical engineering, said it was the opinion of many astronomers "there are other intelligent communities in our galaxy."

Such beings, even more advanced than we are", would have a difficult job to get in touch with us, Bracewell said. (If they are on 40M they haven't a prayer. Ed.)

He suggested that probes into space from another planet would take the form of manned space ships or unmanned satellites, shot into orbit around stars far distant from the home planet. Such vehicles would be equipped with some sort of signal that might be picked up by radio receivers here on earth.

"The drawback is that people are not very attentive", he added. "Radio hams who hear something strange don't think much of it."

\* \* \* \* \*

#### OFFICIAL BULLETIN 760

FCC continues to cite amateurs for radiation of harmonics from amateur stations in frequency ranges outside the amateur bands. Friendly ARRL Official Observers reports still continue to be sent out for these FCC violations. Amateurs, especially those newly licensed are urged to check to make sure their transmitters and antennas are radiating at the desired frequency, rather than at any harmonic. Consult Chapter 23 of the Amateur Radio Handbook for assistance in curbing harmonics.

\* \* \* \* \*

#### DOPEY DILDOCK SAYS

I never check the frequency before kicking on the transmitter, if I clobber somebody that's just to bad, my heart bleeds for them. What's more what can a guy in New York or California do about it?

(What old Dopey doesn't realize, is that he also operates in this manner on the VHF bands, and that other guy is just a few minutes away, in fact so close that if he doesn't get wise to himself he will probably find he is doing all the bleeding. Ed.)

Lets practice good methods gang as we can't afford any busted noses or broken friendships.

#### ALL YOU 44's PAY ATTENTION

The following is published as a public service to our (excuse the word) fat members and comes to us thru the courtesy of Henrici's Restaurant in Chicago.

#### LOW CALORIE DIET

##### MONDAY

**Breakfast:** Weak Tea  
**Lunch:** One Bouillion Cube in 1/2 Cup Diluted Water  
**Dinner:** One Pigeon Thigh, 3oz. Prune Juice (gargle only)

##### TUESDAY

**Breakfast:** Scraped Crumbs from Burnt Toast  
**Lunch:** One Doughnut Hole (without sugar)  
**Dinner:** 3 grains Cornmeal, broiled, 2oz Dehydrated Water

##### WEDNESDAY

**Breakfast:** Shredded Egg Shell Skin  
**Lunch:** One half Dozen Poppy Seeds  
**Dinner:** Bee's Knees & Mosquito Knuckles sauted in Vinegar

##### THURSDAY

**Breakfast:** Boiled out Stains of Old Table Cloth  
**Lunch:** Belly Button of a Naval Orange  
**Dinner:** Three Eyes from a Irish Potato (diced)

##### FRIDAY

**Breakfast:** Two Lobster Antennas  
**Lunch:** One Tall Joint of a Sea Horse  
**Dinner:** Rotisserie Broiled Guppy Fillet

##### SATURDAY

**Breakfast:** Four Chopped Banana Seeds  
**Lunch:** Broiled Butterfly Liver  
**Dinner:** Jelly Vertebrae ala Centipede

##### SUNDAY

**Breakfast:** Pickled Humming Bird Tongue  
**Lunch:** Prime Rib of Tadpole, Arona of Empty Custard Plate  
**Dinner:** Tossed Paprika and Clover Leaf Salad  
**NOTE:** A seven ounce glass of steam may be consumed on alternate days to help in having something to blow off.

\* \* \* \* \*

Don't forget to answer the cards that you will get in the mail next month. As we said last time, we aren't going to put you on any committee (we got plenty of them now) we just want a little info. from you.

September 10th & 11th brings to Indianapolis the Central Division Convention, to be held at the Claypool Hotel. It looks good and all the publicity we can give it will make it that much better. This one, like the one in 1951 at French Lick and South Bend in 1955, will be sponsored by the Indiana Radio Club Council.

Advance registration is \$4.00 and it will cost \$5.00 at the door, so the man to see is Art Evans who has charge of advance sales.

The banquet on Saturday night will present Birg. General John B. Bestic, USAF, Deputy Chief of Telecommunications. The banquet price is \$5.00 for a dandy meal and a chance on a SX-111 which will be given away as a "banquet only" prize.

There will be a ladies luncheon on Saturday noon, with a style show and favors too.

Bill Siebenmorgen is heading up the prize committee and we can already see that he is squeezing the treasury for all its worth, as a HT-37 and SX-101A head the list of major prizes.

Talk it up on the air so that the guys and dolls in the area will not miss out because they didn't get the word.

Any details that you may need, can be had from Art Evans, who as we said has the tickets, or Pat Husk who has the headaches. Both will be able to take care of you.

\* \* \* \* \*

INDIANA MINUTEMEN OF THE ARRL, 1960 STYLE

The photo on the opposite page was snapped at a recent pre-convention meeting here in Indianapolis. The group is the gears behind the wheels that turn out a good convention. They are putting a lot of effort into the job and will deserve all the support you can give them.

Reading from left to right in the front row: Pat Husk, K9EUQ, Convention Chairman; Bill Siebenmorgen, W9IHO, Prize Chairman; John Lamey, W9BDG, Booth Sales Chairman and Chairman of IRCC; Alvey Pittman, W9JJC, Executive Committee member.

Top Row: Hank Wolfra, K9LZZ; Cliff Singer, W9SWD, SCM for Indiana; Art Evans, W9TQC, Secretary-Treasurer; Ralph Bundy, W9MEK, SSB Chairman; Burt Summers, W9VAY, Traffic Chairman.

SEE YOU AT THE CLAYPOOL ON SEPTEMBER 10 & 11



On page 4 in the August QST you'll see an ad featuring W1FZJ and his 18 foot dish for moon-bounce experiments. On July 17th prescheduled signals were received from W6HB at San Carlos, Calif. on 1296 Mc. via moon-bounce. Later two way communication was established and on the 21st of July a CW signal was sent to Calif. from W1BU, also on 1296 Mc.

On August 4th when the Bell Labs. did the same thing with a 85 foot dish we saw it on RV and in Headlines in the local papers. (These boys spent a million dollars, and in this day and age if you don't spend it, --no headlines Ed.)

To round out a hot UHF month, KH6UK and W6NLZ made contact for a 7 hour period on 432 Mc. At one point the signal was S8 for almost an hour.

Full details and pictures will appear in the Sept. QST.

Well there you are, the ice has been broken again and if things follow in the usual pattern established by the Amateurs of the world, it is a safe bet to say that "HERE WE GO AGAIN" Wonder what the XYL and neighbors will say when those 18 foot circular bed springs start popping up in the backyards. Who says there are no new frontiers left in ham radio?

\* \* \* \* \*

#### SCOPES AGAIN

In the August Popular Electronics there is another article on a small scope, with a fine write up on "how it works", and is worth the reading.

\* \* \* \* \*

#### GRAHAM'S SPECIALS OF THE MONTH

National 183-D Receiver, extra clean	\$249.00
National NC-98 w/Q-multiplier and xtal cal.	\$105.00
National NC-188	\$100.00
Hallicrafter SX-99	\$110.00
Hallicrafter SX-101-M3, This is A Dandy	\$329.50
Hallicrafter S-38-E, that extra pair of ears	\$ 44.50
Globe DSB-100	\$ 85.00
Globe 680-A	\$ 78.00
Globe 90-A	\$ 47.50
Heath DX-40	\$ 64.95
Heath RX1-Mohican, NEW	\$245.00
plus many others on the shelf	

FOR SALE Communicator III 6M in excellant

condition

Bill Moeller, K9UHW

VI 6-8632

FOR SALE Hallicrafter S-48 Receiver, excellent

condition, reconditioned especially for

sale. S Meter and external speaker

--- \$ 60.00

Ted Mayer

TR 8-2990

WANTED One junk bicycle---to make a reducing

machine for Alvey

Esther Pittman

AX -1-9252

FOR SALE HQ-170, like new condition, just

realigned and tested

--- \$275.00

Ben Marcel, K9IUH

VI 6-5191

\* \* \* \* \*

MAYDAY MAYDAY MAYDAY

Word has again been sent down from Julian F. Oberg,

W9DSO, who is the QSL Manager for the "9" call area that he is again being swamped with QSL cards for which he has no forwarding address.

It is entirely possible that some of those states that you never received confirmation on, or that tough DX spot in Europe, have sent cards and that Julian has them. Soooo... Send a self addressed and STAMPED envelope to W9DSO, at 2601 Gordon Drive, Flossmoor, Illinois and if you are lucky that tough one may be in the mail to you real soon.

Let us also remind you that you should keep a addressed, STAMPED envelope on file with him at all times. Julian would also appreciate it if you pass this word around the nets, and during local rag chews, as he needs help in this department.

\* \* \* \* \*

SEE YOU AT THE CONVENTION

SEPTEMBER 10TH

CLAYPOOL HOTEL

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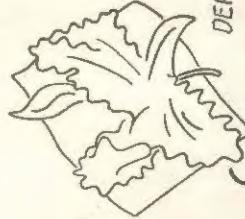
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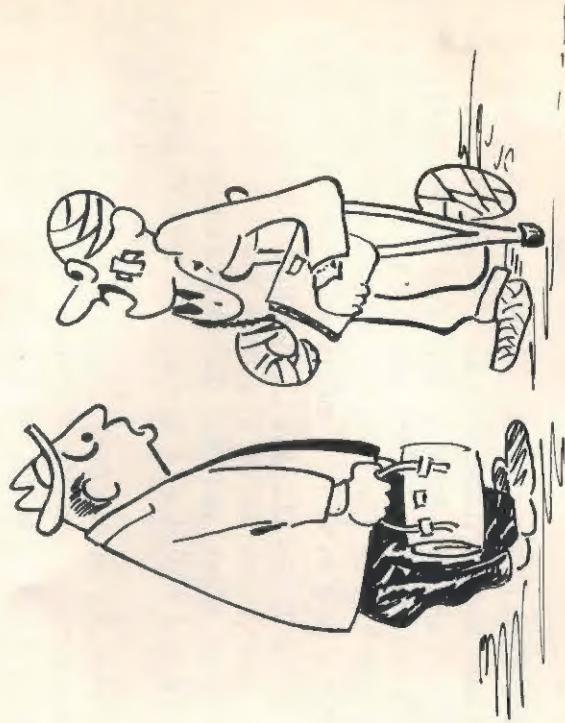
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WALL WOYNN



I REFUSE TO LET THE COST OF A NEW  
RECEIVER COME BETWEEN US  
TAKE IT BACK!



A FUNNY THING HAPPENED LAST WEEK  
... THE ROTER ON MY BEAM WAS  
STUCK - 'N 1 ...